

Spectrum
Division of United Industries Corp.
P.O. Box 15842
St. Louis, MO 63114

Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

Hazardous Material Identification System-(HMIS)

HEALTH - 2

REACTIVITY - 0

FLAMMABILITY - 3

PERSONAL - None

I Trade Name: Backwoods Cutter Insect Repellent

Product Type: Insect Repellent Aerosol

EPA Registration Number

Manufacturer

Emergency Telephone No.

121-33

Chemsico
8494 Chapin Industrial Drive
St. Louis, MO 63114

For Chemical Emergency: 1-800-633-2873
For Information: 1-800-332-5553
Prepared by: H.L. Pauls
Date Prepared: May 10, 1994

II Hazardous Ingredients/Identity Information

Chemical	%	OSHA PEL	ACGIH TLV
N,N-diethyl-m-Toluamide (DEET) CAS #134-62-3	23	NA	NA
SDA-40 Ethanol CAS 64-17-5	54	NA	1000 ppm
Isobutane CAS #75-28-5	20	NE	NE

III Physical and Chemical Characteristics

Appearance and Odor: Clear, colorless or pale yellow liquid with ethanolic odor.
Boiling Point: 75°C
Vapor Pressure: 43mm @ 20°C
Specific Gravity: 0.861 @ 72°F(H₂O=1)
Vapor Density: 1.6 (Air=1)
% Volatile (by vol.): 74
Solubility in Water: Not known
Evaporation Rate: approx. 1 (BuOAc=1)

IV Fire and Explosion Hazard Data

Flash Point: 50°F(Closed Cup)
Flame Extension: 18" (Level 2 Aerosol)
Flammable Limits: Lower: 3.3% Upper: 19.0%
Autoignition Temp.: 793°F
Fire Extinguishing Media: CO₂, Foam, Dry Chemical
Decomposition Temp.: N/A
Special Fire-Fighting Procedures: For small fires: Use CO₂, or dry chemical extinguishers.
For large fires: Use copious amounts of water.
Unusual Fire and Explosion Hazards: See section VII.

V Reactivity Data

Stability: Stable
Polymerization: Will not occur
Conditions to Avoid: None
Incompatible Materials: May soften or damage some synthetics such as rayon. May damage leather.
Hazardous Decomposition or Byproducts: None

VI Health Hazard Data

Ingestion (Swallowing): Harmful if swallowed. **First Aid:** Consult a physician or poison control. If conscious, give one or two glasses of water and induce vomiting. Do not induce vomiting or give anything by mouth to an unconscious person.
Eye Contact: May cause eye injury. **First Aid:** Flush eyes with plenty of water for 15 . Get medical attention.
Skin Contact: If skin reaction occurs, wash with soap and water. Get medical attention if irritation persists.
Inhalation Toxicity: Vapors may cause respiratory irritation. **First Aid:** Remove to fresh air.
Special Notes: Apply only to skin or clothing. do not ingest. Keep out of eyes. Frequent reapplication or saturation is unnecessary
Health Conditions Aggravated by Exposure: None Known
Ingredients listed by NTP, OSHA or IARC as Carcinogens or potential carcinogens: None

VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
Flammable material. Remove all possible ignition sources. Wipe up with absorbent material. Wash small quantities away with soapy water. Prevent bulk quantities from entering open sewers and waterways.
Waste Disposal:
This material is flammable and must be disposed of in accordance with Local, State, and Federal regulations. Do not reuse empty container; dispose of properly.
Handling & Storage Precautions:
Keep away from heat, sparks, or open flame. Do not expose treated skin to fire, sparks or flam until liquid has dried.

VIII Control Measures

Read and follow label directions. They are your best guide to using this product effectively, and give necessary safety precautions to protect your health.

IX Transportation Data

DOT Shipping Name - Consumer Commodity
DOT Hazard Class - ORM-D

The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.